Approved For Release 2002/06/17 : CIA-RDP78B04767A000400180011-5

SECRET

PRIORITY

LOGGED

1971 APR 24 01 09Z

25X1 S E C R E T 231452Z APR 71 [redacted] 3918
25X1 PRIORITY [redacted]
IDEALIST
25X1 ATTN: [redacted]
SUBJECT: AEC SENSOR CALIBRATION

WE HAVE RECEIVED INFORMATION THAT THE TEST FLIGHT AT OL-RD WITH THE IMPROVED AEC SENSOR WAS OVEREXPOSED BY APPROXIMATELY ONE STOP. FURTHERMORE WE RECEIVED INFORMATION THAT A WRATTEN 12 FILTER WAS USED ON THIS FLIGHT AND THAT THE FILM WAS PROCESSED WITH DUAL GAMMA PROCESSING.

THE IMPROVED AEC SENSOR WAS CALIBRATED FOR 3414 FILM USING A WRATTEN 23A FILTER AND MX819 PROCESSING. AS A RESULT OF THESE DIFFERENCES, WE CAN ACCOUNT FOR THE OVEREXPOSURE.

IF THE AEC SENSOR IS RETAINED AT OL-RD FOR FUTURE TEST FLIGHTS, WE RECOMMEND A CHANGE IN THE EXPOSURE CONTROL ASSEMBLY, P/N 1861[illegible]G1 TO COMPENSATE FOR THE INCREASE IN FILM SPEED AND EXPOSURE CAUSED BY DUAL GAMMA PROCESSING AND A WRATTEN 12 FILTER.

THE MODIFICATION CAN BE ACCOMPLISHED AT OL-RD BY FIELD PERSONNEL AS FOLLOWS:

ON EXPOSURE CONTROL ASSY A1A5A5 REPLACE RESISTOR R6 (301K) WITH NEW RESISTOR (715K).

25X1 RESISTOR CAN BE SUPPLIED BY [redacted] IF NOT AVAILABLE IN FIELD.

NO FURTHER CALIBRATION OF SENSOR IS REQUIRED.

S E C R E T

GP-1

3

DECLASS REVIEW by NIMA/DOD

END OF MESSAGE

SECRET

[redacted]

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DIVISION ROUTING SLIP | DATE:

FILE: 45-2/21	INITIALS	DATE
Ch/TSG		
Ch/APSD		
D.Ch/APSD		
Secretary/APSD		
Ch/IEB	2K	4/26/71
D.Ch/IEB	WW 29	April
Ch/IEB/Sec.I	mm	4/27/71
Ch/IEB/Sec.II		
Secretary/IEB	am	
[redacted]	WKZ	28 April
Ch/ISAB		
D.Ch/ISAB		
Secretary/ISAB		
Ch/OAB		
D.Ch/OAB		
Ch/PSSB		
D.Ch/PSSB		
Ch/PSSB/ATS		
Ch/PSSB/DS		
Secretary/PSSB		

25X1

NOTE:

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